ABSTRACT OF THE DISCLOSURE

A body is at least partially coated with one or more refractory layers of which at least one layer is of a fine grained κ -Al₂O₃. Said κ -Al₂O₃ layer has equiaxed grains with an average grain size of <0.5 μ m. The Al₂O₃ layer also has at least one sublayer containing Al, Si and O. The fine grained κ -Al₂O₃ microstructure is obtained by periodically introducing a silicon halide, preferably SiCl₄, during the Al₂O₃-process.

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